

HDQ Neutral®

This product has been designed specifically where housekeeping is of prime importance. This product when used as directed is formulated for use on hard, non-porous surfaces such as floors, walls, countertops, tables, chairs, bed frames and bed railings.

DISINFECTION PERFORMANCE: This product kills the following bacteria in 10 minutes at 1 oz. per gal. of water (660 ppm active) and 5% soil on hard, non-porous surfaces:

Acinetobacter baumannii, *Acinetobacter iwoffii*, *Bordetella bronchiseptica*, *Citrobacter freundii*, *Enterobacter agglomerans*, *Enterobacter aerogenes*, *Enterobacter cloacae*, *Escherichia coli*, *Escherichia coli* O111:H8, *Escherichia coli* (Extended Spectrum β -Lactamase) (ESBL), *Escherichia coli* (Tetracycline Resistant), *Enterococcus faecalis*, *Enterococcus faecium*, *Fusobacterium necrophorum*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Listeria monocytogenes*, *Micrococcus luteus*, *Pacturella multocida*, *Proteus vulgaris*, *Pseudomonas aeruginosa* (Tetracycline Resistant), *Pseudomonas cepacia*, *Salmonella enterica*, *Salmonella enterica* serotype pullorum, *Salmonella typhi*, *Salmonella typhimurium*, *Serratia marcescens*, *Shigella flexneri*, *Shigella sonnei*, *Staphylococcus aureus*, *Staphylococcus aureus* (sub species aureus), *Staphylococcus aureus* (Community Associated Methicillin Resistant) (CA-MRSA), *Staphylococcus aureus* (Methicillin Resistant) (MRSA), *Staphylococcus epidermidis* (Antibiotic resistant), *Staphylococcus epidermidis*, *Streptococcus agalactiae*, *Staphylococcus haemolyticus*, *Streptococcus pneumoniae* (Penicillin Resistant), *Streptococcus pyogenes*, *Streptococcus mutans*, *Enterococcus faecalis* (Vancomycin Resistant) (VRE), *Staphylococcus aureus* (Vancomycin Intermediate Resistant) (VISA), *Vibrio cholera*, *Yersinia enterocolitica*

VIROCIDAL * PERFORMANCE: This product kills the following viruses in 10 minutes at 1 oz. per gal. of water (660 ppm active) and 5% soil on hard, non-porous surfaces: Avian Influenza A (H5N2) Virus, Avian Influenza A (H5N1) Virus, Cytomegalovirus, Coronavirus (SARS-associated), Hepatitis B Virus, Hepatitis C Virus, Herpes Simplex Virus Type 1, Herpes Simplex Virus Type 2, Human Coronavirus, Human Immunodeficiency Virus Type 1 (HIV 1), Influenza A Virus (H1N1), Respiratory Syncytial Virus

ANIMAL PREMISE VIROCIDAL * PERFORMANCE: This product kills the following viruses in 10 minutes at 1 oz. per gal. of water (660 ppm active) and 5% soil on hard, non-porous surfaces: Avian Infectious Bronchitis Virus, Canine Coronavirus, Canine Distemper Virus, Feline Picornavirus, Infectious Bovine Rhinotracheitis Virus, Pseudorabies Virus, Transmissible Gastroenteritis Virus

FUNGICIDAL PERFORMANCE: This product kills the following fungi in 10 minutes at 1 oz. per gal. of water (660 ppm active) and 5% soil on hard, non-porous surfaces: *Candida albicans*, *Trichophyton mentagrophytes* (Athlete's foot fungus) (a cause of Ringworm)

Sold by: SPARTAN CHEMICAL COMPANY, INC., 1110 Spartan Drive, Maumee, OH 43537 USA / 1-800-537-8990 / For medical emergencies, call 888-314-6171 / www.spartanchemical.com

MILDEWSTATIC PERFORMANCE: This product controls the following mold in 10 minutes at 1 oz. per gal. of water (660 ppm active) on hard, non-porous surfaces: *Aspergillus niger*

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This product is not to be used as a terminal disinfectant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product can be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

DILUTION TABLE:

Use	Dilution	Contact Time
For Hospital or Medical Environment claims	1 oz. /gal. water	10 minutes
For General or Broad Spectrum claims	1 oz. /gal. water	10 minutes
For Public Health Virucidal* claims	1 oz. /gal. water	10 minutes
For Animal Virucidal* claims	1 oz. /gal. water	10 minutes
For Fungicidal claims	1 oz. /gal. water	10 minutes
For Mold and Mildew claims	1 oz. /gal. water	10 minutes

FOR USE AS A ONE-STEP, GENERAL, HOSPITAL DISINFECTANT, FUNGICIDE, VIROCIDAL*, CLEANER:

1. Pre-clean heavily soiled areas.
2. Apply use solution of 1 oz. of this product per gal. of water (or equivalent use dilution) to disinfect hard, non-porous surfaces with a sponge, brush, cloth, mop, by immersion, auto scrubber, mechanical spray device, hand pump trigger spray device, coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray.
3. Treated surfaces must remain wet for 10 minutes.
4. Allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.
5. Prepare a fresh solution daily or when visibly dirty.

***KILLS HIV, HBV AND HCV ON PRE-CLEANED HARD, NON-POROUS SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of hard, non-porous surfaces/objects with blood or body fluids and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS), Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS

Personal Protection: Wear protective latex gloves, gowns, masks and eye protection.

Cleaning Procedure: Blood and other body fluids must be thoroughly cleaned from hard, non-porous surfaces and objects before application of this product.

Disposal of Infectious Materials: Blood and other body fluids, cleaning materials and clothing must be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.

Contact Time: Allow hard, non-porous surfaces to remain wet for 10 minutes for all organisms.

TO CONTROL MOLD/MILDEW: Pre-clean heavily soiled areas. Prepare use solution by adding 1 oz. of this product per gal. of water (or equivalent use dilution). Apply use solution to hard, non-porous surfaces for 10 minutes which will effectively inhibit the growth of mold and mildew and their odors. Repeat treatment every seven days, or more often if new growth appears.

ANIMAL PREMISES: Prior to use of this product, remove all animals and feeds from premises, animal transportation vehicles, and enclosures. Remove all litter, droppings and manure from floors, walls and surfaces of barns, pens, stalls, chutes and other surfaces of facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.

FOR USE AS AN ANIMAL PREMISE DISINFECTANT/VIROCIDAL*: Prepare a use solution of 1 oz. of this product per gal. of water (660 ppm active) for effectiveness against designated animal viruses on the label.

Apply use solution to disinfected hard, non-porous surfaces with a sponge, brush, cloth, by immersion, mechanical spray device, hand pump trigger spray device, coarse trigger spray device. For spray applications, spray 6-8 inches from surface. Do not breathe spray. Immerse all halters and other types of equipment used in handling and restraining animals, as well as links, shovels, and scrapers used for removing litter and manure in the use solution. Treated surfaces must remain wet for 10 minutes. Ventilate buildings, coops and other closed spaces. Do not house animals or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers and other treated equipment which can contact food or water with soap or detergent, and rinse with potable water before reuse.

GENERAL DEODORIZATION: To deodorize, apply 1 - 2 oz. of this product per gal. of water to hard, non-porous surfaces. Rinse or allow to air dry.

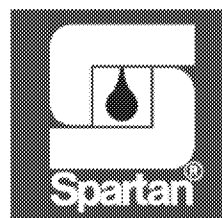
STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store only in original container. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Non-Refillable Container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Fill the container 1/4 full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.



HDQ Neutral®

Cleans, Disinfects and Deodorizes in One Step.

Disinfectant, Mildewstat, Fungicide, Virucide*

Effective in hard water up to 400 ppm hardness in the presence of 5% soil.

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

ACTIVE INGREDIENTS:

Didecyl Dimethyl
Ammonium Chloride 6.07%
Alkyl
(50% C14, 40% C12, 10% C10)
(Dimethyl Benzyl
Ammonium Chloride) 3.38%

OTHER

INGREDIENTS: 91.55%
TOTAL: 100.00%

EPA Reg. No. 10324-155-5741

EPA Est. No. 5741-08-1

SI LISTED NO ENTENDE LA
ETIQUETA, BUSQUE A ALGUIEN
PARA QUE SE LA EXPLIQUE A
LISTED EN DETALLE.

IF YOU DO NOT UNDERSTAND THE
LABEL, FIND SOMEONE TO EXPLAIN
IT TO YOU IN DETAIL.

FIRST AID

In case of emergency, call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF SWALLOWED: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a poison control center or doctor immediately for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS

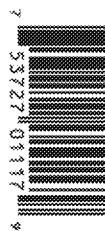
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER, Corrosive Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

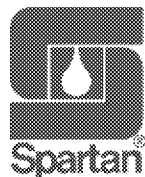
ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, oysters and shrimp.

#1202 NET CONTENTS: 1 U.S. Gallon / 3.79 Liters



E-16 SCC 7/17



Revision Date: 04-Jun-2020

User-Prepared Solution Safety Summary Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **HDQ NEUTRAL USER-PREPARED SOLUTION (1:28)**
Diluted at 4.5oz/gal (or greater) in water

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

Medical Emergency/Information: 888-314-6171

2. HAZARDS IDENTIFICATION

GHS Classification

Not Classified Not classified as hazardous by 29 CFR 1910.1200 (OSHA HazCom-GHS).

GHS Label Elements

Signal Word: **No signal word**

Symbols: No symbols

Hazard Statements: No hazard statements

Precautionary Statements:

Prevention: Not Applicable

Response:

-Specific Treatment: See Safety Summary Sheet Section 4: "First Aid Measures" for additional information.

Storage: Not Applicable

Disposal: Not Applicable

Hazards Not Otherwise Classified: Not Applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	90-100
Didecyldimethylammonium Chloride	7173-51-5	0.1-1.0
Alkyl C12-16 Dimethylbenzyl Ammonium Chloride	68424-85-1	0.1-1.0
Alcohol	64-17-5	0-0.1
Tetrasodium EDTA	64-02-8	0-0.1
C9-11 Pareth-6	68439-46-3	0-0.1
Citric Acid	77-92-9	0-0.1
Orange Terpenes	68647-72-3	0-0.1
Terpene Hydrocarbons	68956-56-9	0-0.1
Lemon Oil Terpenes	68917-33-9	0-0.1
Citronellyl Nitrite	51566-62-2	0-0.1
Fragrance	PROPRIETARY	0-0.1
CI 15620	1658-56-6	0-0.1

4. FIRST AID MEASURES

-Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

-Skin Contact:	easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
-Inhalation:	Wash with soap and water. If skin irritation occurs: Get medical attention.
-Ingestion:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
Note to Physicians:	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
	Treat symptomatically.

5. PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection:	Wear splash goggles.
Skin and Body Protection:	Wear rubber or other chemical-resistant gloves.
Respiratory Protection:	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
General Hygiene Considerations:	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

6. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Light red
Odor:	Mild Citrus fragrance
pH:	7.2-8.2
Flash Point:	> 100 °C / > 212 °F ASTM D56
Specific Gravity:	1.00

7. OTHER INFORMATION

NFPA	Health Hazards: 1	Flammability: 0	Instability: 0	Special: N/A
HMIS	Health Hazards: 1	Flammability: 0	Physical Hazards: 0	

Revision Date:	04-Jun-2020
Reasons for Revision:	No information available.



User-Prepared Solution Safety Summary Sheet

Revision Date: 10-Sep-2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: HDQ NEUTRAL USER-PREPARED SOLUTION (1:128)
Diluted at 1:128 (or greater) in water

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

Medical Emergency/Information: 888-314-6171

2. HAZARDS IDENTIFICATION

GHS Classification
Not Classified

Not classified as hazardous by 29 CFR 1910.1200 (OSHA HazCom-GHS).

GHS Label Elements

Signal Word:

No signal word

Symbols:

Hazard Statements:

No hazard statements

Precautionary Statements:

Prevention:

Not Applicable

Response:

-Specific Treatment:

See Safety Summary Sheet Section 4: "First Aid Measures" for additional information.

Storage:

Not Applicable

Disposal:

Not Applicable

Hazards Not Otherwise Classified: Not Applicable

Other Information:

May be harmful if swallowed. Causes moderate eye irritation. May cause skin irritation. Inhalation of vapors or mist may cause respiratory irritation. Keep out of reach of children.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	90-100
Didecyldimethylammonium Chloride	7173-51-5	0-0.1
Alkyl C12-16 Dimethylbenzyl Ammonium Chloride	68424-85-1	0-0.1
Alcohol	64-17-5	0-0.1
Tetrasodium EDTA	64-02-8	0-0.1
C9-11 Pareth-6	68439-46-3	0-0.1
Citric Acid	77-92-9	0-0.1
Orange Terpenes	68647-72-3	0-0.1
Terpene Hydrocarbons	68956-56-9	0-0.1
Lemon Oil Terpenes	68917-33-9	0-0.1
Citronellyl Nitrile	51566-62-2	0-0.1
Fragrance	PROPRIETARY	0-0.1
CI 15620	1658-56-6	0-0.1

4. FIRST AID MEASURES

-Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
-Skin Contact:	Wash with soap and water. If skin irritation occurs: Get medical attention.
-Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
-Ingestion:	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
Note to Physicians:	Treat symptomatically.

5. PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection:	Wear splash goggles.
Skin and Body Protection:	Wear rubber or other chemical-resistant gloves.
Respiratory Protection:	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
General Hygiene Considerations:	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

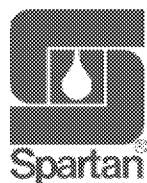
6. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Light red
Odor:	Citrus fragrance
pH:	7.0-8.0
Flash Point:	> 100 °C / > 212 °F ASTM D56
Specific Gravity:	1.00

7. OTHER INFORMATION

<u>NFPA</u>	Health Hazards: 1	Flammability: 0	Instability: 0	Special: N/A
<u>HMIS</u>	Health Hazards: 1	Flammability: 0	Physical Hazards: 0	

Revision Date:	10-Sep-2019
Reasons for Revision:	Section 3



Safety Data Sheet

Spartan Chemical Company, Inc.

Revision Date: 10-Sep-2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: HDQ NEUTRAL
Product Number: 1202
Recommended Use: Disinfectant
Uses Advised Against: For Industrial and Institutional Use Only

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

24 Hour Emergency Phone Numbers:

Medical Emergency/Information: 888-314-6171
Transportation/Spill/Leak: CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

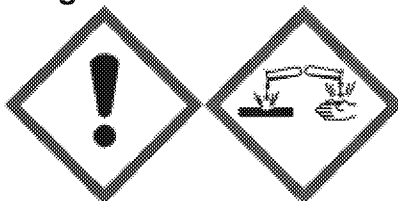
Acute Toxicity - Oral: Category 4
Acute toxicity - Inhalation (Dusts/Mists) Category 4
Skin Corrosion/Irritation: Category 1 Sub-category B
Serious Eye Damage/Eye Irritation: Category 1

GHS Label Elements

Signal Word:

Symbols:

Danger



Hazard Statements:

Harmful if swallowed.
Harmful if inhaled.
Causes severe skin burns and serious eye damage.

Precautionary Statements:

Prevention:

Wash hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product
Do not breathe mist, vapors or spray.
Use only outdoors or in a well-ventilated area
Wear protective gloves. Wear eye / face protection. Wear protective clothing.

Response:

-Eyes

IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

-Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

-Inhalation:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

-Ingestion:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

-Specific Treatment:	See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.
Storage:	Store locked up.
Disposal:	Dispose of contents and container in accordance with local, state and federal regulations.
Hazards Not Otherwise Classified:	Not Applicable
Other Information:	<ul style="list-style-type: none"> • Corrosive. • Keep out of reach of children. • NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
Didecyldimethylammonium Chloride	7173-51-5	3-7
Alkyl C12-16 Dimethylbenzyl Ammonium Chloride	68424-85-1	1-5
Alcohol	64-17-5	1-5
Tetrasodium EDTA	64-02-8	1-5
C9-11 Pareth-6	68439-46-3	1-5
Citric Acid	77-92-9	0.1-1
Orange Terpenes	68647-72-3	<0.1
Terpene Hydrocarbons	68956-56-9	<0.1
Lemon Oil Terpenes	68917-33-9	<0.1
Citronellyl Nitrile	51566-62-2	<0.1
Fragrance	PROPRIETARY	<0.1
CI 15620	1658-56-6	<0.1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

-Eye Contact:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
-Skin Contact:	Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse.
-Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
-Ingestion:	Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.
Note to Physicians:	NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
Specific Hazards Arising from the Chemical:	Dried product is capable of burning. Combustion products are toxic.
Hazardous Combustion Products:	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
Protective Equipment and Precautions for Firefighters:	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
Environmental Precautions: Do not rinse spill onto the ground, into storm sewers or bodies of water.
Methods for Clean-Up: Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
Suggested Shelf Life: 1 year from date of manufacture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³

Engineering Controls: Provide good general ventilation.
 If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
 Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

Personal Protective Equipment

Eye/Face Protection: Wear splash goggles.

Skin and Body Protection: Wear rubber or other chemical-resistant gloves.

Respiratory Protection: Not required with expected use.
 If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

General Hygiene Considerations: When using do not eat, drink or smoke
 Wash contaminated clothing before reuse.
 Regular cleaning of equipment, work area and clothing is recommended

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Liquid
Color:	Red
Odor:	Mild Citrus fragrance
pH:	7.2-8.2
Melting Point / Freezing Point:	No information available.
Boiling Point / Boiling Range:	100 °C / 212 °F
Flash Point:	> 100 °C / > 212 °F
Evaporation Rate:	< 1 (Butyl acetate = 1)
Flammability (solid, gas)	No information available.
Upper Flammability Limit:	No information available.
Lower Flammability Limit:	No information available.
Vapor Pressure:	No information available.
Vapor Density:	No information available.
Specific Gravity:	1.00
Solubility(ies):	Soluble in water
Partition Coefficient:	No information available.
Autoignition Temperature:	No information available.
Decomposition Temperature:	No information available.
Viscosity:	No information available.

10. STABILITY AND REACTIVITY

Reactivity:	This material is considered to be non-reactive under normal conditions of use.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Not expected to occur with normal handling and storage.
Conditions to Avoid:	Extremes of temperature and direct sunlight.
Incompatible Materials:	Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products:	May include carbon monoxide, carbon dioxide (CO ₂) and other toxic gases or vapors.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eyes, Skin, Ingestion, Inhalation.
Symptoms of Exposure:	
-Eye Contact:	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
-Skin Contact:	Pain, redness, blistering and possible chemical burn.
-Inhalation:	Nasal discomfort and coughing. Irritation or damage to the mucus membranes of the respiratory tract.
-Ingestion:	Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea.
Immediate, Delayed, Chronic Effects	
Product Information:	Data not available or insufficient for classification.

Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral):	1435 mg/kg
ATEmix (dermal):	49782 mg/kg
ATEmix (inhalation-dust/mist):	1.08 mg/l

Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)	Not Available	Not Available
Didecyldimethylammonium Chloride 7173-51-5	= 84 mg/kg (Rat)	Not Available	Not Available

A kyl C12-16 Dimethylbenzyl Ammonium Chloride 68424-85-1	= 426 mg/kg (Rat)	Not Available	Not Available
Alcohol 64-17-5	= 7060 mg/kg (Rat)	Not Available	= 124.7 mg/L (Rat) 4 h
Tetrasodium EDTA 64-02-8	= 1658 mg/kg (Rat)	Not Available	Not Available
C9-11 Pareth-6 68439-46-3	= 1400 mg/kg (Rat)	Not Available	Not Available
Citric Acid 77-92-9	= 3 g/kg (Rat)	Not Available	Not Available
Citronellyl Nitrile 51566-62-2	= 5300 mg/kg (Rat)	Not Available	Not Available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Alcohol 64-17-5	Not Available	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	Not Available	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	Not Available	Not Available
Citric Acid 77-92-9	Not Available	1516: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	Not Available

Persistence and Degradability:

No information available.

Bioaccumulation:

No information available.

Other Adverse Effects:

No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes:

Dispose of in accordance with federal, state and local regulations.

Contaminated Packaging:

Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT:

UN/ID No:

UN1903

Proper Shipping Name:

Disinfectants, liquid corrosive, n.o.s., (contains didecyl dimethyl ammonium chloride, n-alkyl dimethyl benzyl ammonium chloride)

Hazard Class:

8

Packing Group:

III

Special Provisions:

Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

IMDG:

UN/ID No:

UN1903

Proper Shipping Name:

Disinfectants, liquid corrosive, n.o.s., (contains didecyl dimethyl ammonium chloride, n-alkyl dimethyl benzyl ammonium chloride)

Hazard Class:

8

Packing Group: III

15. REGULATORY INFORMATION**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA 313

This product does not contain listed substances above the "de minimus" level

SARA 311/312 Hazard Categories

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden release of pressure hazard:	No
Reactive Hazard:	No

California Proposition 65

This product is not subject to warning requirements under California Proposition 65.

EPA Pesticide Registration Number: 10324-155-5741

EPA Statement:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label:

Danger. Keep out of reach of children. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards: 3	Flammability: 0	Instability: 0	Special: N/A
<u>HMIS</u>	Health Hazards: 3	Flammability: 0	Physical Hazards: 0	

Revision Date: 10-Sep-2019
Reasons for Revision: Section, 2, 3, 7, and, 11

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet